

Substitute Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Attorney Docket

06510/060DIV

First Named Inventor

Shaun R. Coughlin et al.

Application Number

09/208,629

Filing Date

December 8, 1998

Group Art Unit

1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MDP	AA-1	5,256,766	10/1993	Coughlin			
MDP	AB-1	5,686,597	11/1997	Coleman et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MDP	AC-1	WO 95/19436	07/1995	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

MDP	AD-1	Amatruda III, T.T. et al. (1991) "G α 16, a G protein α subunit specifically expressed in hematopoietic cells," <u>Proc. Natl. Acad. Sci.</u> 88:5587-91.						
↑	AE-1	Connolly, A., et al., (1996) "Role of the thrombin receptor in development and evidence for a second receptor," <u>Nature</u> 381:516-519.						
	AF-1	Ishii, K., et al. (1993) "Kinetics of thrombin receptor cleavage on intact cells," <u>J. Biol. Chem.</u> 268:9780-9786.						
	AG-1	Ishii, K., et al. (1995) "Determinants of thrombin receptor cleavage," <u>J. Biol. Chem.</u> 270:16345-16440.						
	AH-1	Julius, D., et al., (1988) "Molecular characterization of a functional cDNA encoding the serotonin 1c receptor," <u>Science</u> 241:558-564.						
	AI-1	Liu, L., et al. (1991) "The region of the thrombin receptor resembling hirudin binds to thrombin and alters enzyme specificity," <u>J. Biol. Chem.</u> 266:16977-16980.						
	AJ-1	Mathews, I.I., et al. (1994) "Crystallographic structures of thrombin complexed with thrombin receptor peptides: Existence of expected and novel binding modes," <u>Biochem.</u> 33:3266-3279.						
	AK-1	Nanevicz, T., et al., (1996) "Thrombin receptor activating mutations," <u>J. Biol. Chem.</u> 271:702-706.						
↓	AL-1	Nystedt, S., et al. (1994) "Molecular cloning of a potential proteinase activated receptor," <u>Proc. Natl. Acad. Sci. USA</u> , 91:9208-9212.						
MDP	AM-1	Scarborough, R.M., et al. (1992) "Tethered ligand agonist peptides," <u>J. Biol. Chem.</u> 267:13146-13149.						

EXAMINER MICHAEL PAK

DATE CONSIDERED 9-26-03

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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MDP	AN-1	Soifer, S.J., et al. (1993) "Disparate temporal expression of the prothrombin and thrombin receptor genes during mouse development," <u>Am. J. Pathol.</u> 144:60-69.
MDP	AO-1	Vu, T.-K.H., et al. (1991) "Molecular cloning of a functional thrombin receptor reveals a novel proteolytic mechanism of receptor activation," <u>Cell</u> 64:1057-1068.
MDP	AP-1	Vu, T.-K.H., et al. (1991) "Domains specifying thrombin-receptor interaction," <u>Nature</u> 353:674-677.

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EXAMINER <u>MICHAEL PAK</u>	DATE CONSIDERED <u>9/26/03</u>
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Form PTO-1449

Docket Number 220002060310

Application Number 09/208,629

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

COUGHLIN et al.

Filing Date December 8, 1998

Group Art Unit 1646

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
MDP	1.	10/07/99	WO 99/50415	PCT			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
MDP	2.	Ishihara et al., (1997). "Protease-activated receptor 3 is a second thrombin receptor in humans," <i>Nature</i> 386:502-506.

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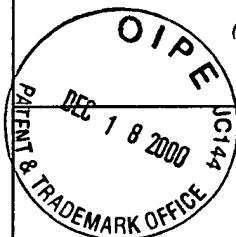
DATE CONSIDERED:

9-26-63

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Form PTO-1449		Docket Number 220002060310	Application Number 09/208,629	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Shaun R. COUGHLIN et al.		
		Filing Date December 8, 1998	Group Art Unit 1646	
		Mailing Date December 14 2000		
O I P E DEC 18 2000 PATENT & TRADEMARK OFFICE MOP ↑ ↓ MOP	15.	Kahn, M. et al. (August 1998). "A Dual Thrombin Receptor System for Platelet Activation," <i>Nature</i> 394:690-694.		
	16.	Nanevicz, T. et al. (1995). "Mechanisms of Thrombin Receptor Agonist Specificity: Chimeric Receptors and Complementary Mutations Identify an Agonist Recognition Site," <i>J. Biol. Chem.</i> 270(37):21619-21625.		
	17.	Soifer, S. et al. (1993). "Thrombin Receptor Structure and Function," <i>J. Cell. Biochem. Suppl.</i> (17 Part D) p. 191.		
	18.	Database Genbank, (January 1, 1997), Accession No. AA177828, Marra, M. et al. 'The WashU-Merck EST Project', .		
EXAMINER: MICHAEL PML				DATE CONSIDERED: 9/26/03
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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
MDP	1.	11/02/1999	5,976,841	Wnedt et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
MDP	2.	05/22/1996	EP 0 712 934	Europe			
MDP	3.	02/02/1995	WO 95/03318	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
MDP	4.	Bohm, S. et al. (1996). "Molecular Cloning, Expression and Potential Functions of the Human Proteinase-Activated Receptor-2," <i>Biochem. J.</i> 314(3):1009-1016.
↑	5.	Chen, J. et al. (October 1995). "Tethered Ligand Library for Discovery of Peptide Agonists," <i>J. Biol. Chem.</i> 270(40):23398-23401.
	6.	Coughlin, S. et al. (1992). "Expression Cloning and Characterization of a Functional Thrombin Receptor Reveals a Novel Proteolytic Mechanism of Receptor Activation," <i>Semin. Thrombin. Hemos.</i> 18(2):161-166.
	7.	Coughlin, S. et al. (1992). "Thrombin Receptor Structure and Function," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 57:149-154.
	8.	Coughlin, S. (September 1994). "Protease-Activated Receptors Start a Family," <i>Proc. Natl. Acad. Sci. USA</i> 91:9200-9202.
	9.	Gerszten, R. et al. (April 1994). "Specificity of the Thrombin Receptor for Agonist Peptide by its Extracellular Surface," <i>Nature</i> 368(6472):648-651.
	12.	Gronke, R. et al. (1987). "Thrombin Interaction with Platelets Influence of Platelet Protease Nexin," <i>J. Biol. Chem.</i> 262(7):3030-3036.
↓	13.	Harmon, J. and Jamieson, G. (1985). "Thrombin Binds to a High-Infinity Approximately 900000-Dalton Site on Human Platelets," <i>Biochem.</i> 24(1):58-64.
MDP	14.	Kahn et al. (September 1998). "Gene and Locus Structure and Chromosomal Localization of the Protease-Activated Receptor Gene Family," <i>J. Biol. Chem.</i> 273(36):23290-23296.

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